

CLAIMS

Sub. 1

1 A shoe insert comprising:
a fabric layer having an inside portion and an outside portion
and being made from a non-woven material with a co-efficient of friction along
5 the inside portion between about 0.52 and 0.82; and
a non-slip surface disposed along said outside portion of said
fabric layer.

2. The shoe insert of Claim 1, wherein said non-woven material of
said fabric layer is selected from the group consisting of polyethylene and
10 poly-propylene.

3. The shoe insert of Claim 1, wherein said fabric layer includes
surface fibers oriented in a vertical direction.

4. The shoe insert of Claim 1, wherein said fabric layer is treated
with a surfactant.

15 5. The shoe insert of Claim 1, wherein said non-slip surface is
defined by a cohesive coating.

6. The shoe insert of Claim 5, wherein said cohesive coating is
selected from the group consisting of low-tack pressure sensitive adhesives,
synthetic rubber and latex coatings.

20 7. The shoe insert of Claim 5, wherein said cohesive coating is
applied as a film along the outside portion of the fabric layer.

8. The shoe insert of Claim 7, wherein said film is applied in an
amount of between about 1 and 300 milligrams per square inch.

9. The shoe insert of Claim 7, wherein said cohesive coating is
25 applied along the outside portion of the fabric layer by means of an adhesive
spray.

10. The shoe insert of Claim 9, wherein said adhesive spray applies
said cohesive coating to the outside portion of said fabric layer in a pattern

selected from the group consisting of melt-blown, vertical spiral and horizontal spiral.

11. The shoe insert of Claim 9, wherein said cohesive coating is applied in an amount between about 1 and 100 milligrams per square inch.

5 12. The shoe insert of Claim 7, wherein said cohesive coating is applied along the outside portion of the fabric layer by means of an extrusion.

13. The shoe insert of Claim 12, wherein said cohesive coating is applied to the outside portion of the fabric layer in a pattern selected from the group consisting of vertical comb slot-coat and horizontal comb slot-coat.

10 14. The shoe insert of Claim 12, wherein the cohesive coating is applied to the outside portion of the fabric layer as an intermittent comb slot-coat.

15. The shoe insert of Claim 12, wherein said cohesive coating is applied in an amount between about 5 and 250 milligrams per square inch.

15 16. The shoe insert of Claim 1, wherein said fabric layer is defined by a front edge, back edge and left and side edges.

17. The shoe insert of Claim 16, wherein said cohesive coating is applied along the outside portion of said fabric layer and spaced away from said front, back and side edges.

20 18. The shoe insert of Claim 1, wherein the inside portion of said fabric layer has a surface treatment selected from the group consisting of a deodorizer and an anti-bacterial agent.

19. The shoe insert of Claim 18, wherein surface treatment is carried out by one of contact coating and spraying.

25 20. The shoe insert of Claim 1, further including a material layer for incorporating said non-slip surface.

21. The shoe insert of Claim 20, wherein said material layer includes an inside portion in facing relation to said outside portion of said fabric layer and an outside portion.

30 22. The shoe insert of Claim 20, wherein said material layer in-

cludes a cohesive coating applied along the outside portion thereof for defining said non-slip surface.

23. The shoe insert of Claim 20, wherein said material layer is made from a material selected from the group consisting of polyethylene film, polyethylene foam, polypropylene film, polyester film, co-extruded film and laminated foam, laminated foam/film, expanded polystyrene, polyurethane, expanded polypropylene and vinyl.

24. The shoe insert of Claim 20, wherein said material layer is made from a non-slip material.

10 25. The shoe insert of Claim 20, wherein said material layer comprises a first inside material made of polyethylene and a second outside material made of ethylene-vinyl-acetate.

15 26. The shoe insert of Claim 20, wherein said material layer comprises a first inside material made of polyethylene film and a second outside material made of low-tack adhesive.

27. The shoe insert of Claim 20, wherein said material layer comprises a first inside material made of polyester film and a second outside material made of low-tack adhesive.

20 28. The shoe insert of Claim 24, wherein said second outside material has a co-efficient of friction greater than that of said inside portion of said fabric layer.

25 29. The shoe insert of Claim 20, wherein said material layer is bonded to said fabric layer by means selected from the group consisting of a pressure-sensitive adhesive, cold glue emulsion lamination, ultrasonic bonding, heat sealing, hydro-entanglement and stitching.

30. The shoe insert of Claim 20, further including an internal ingredient sandwiched between said fabric layer and said material layer.

30 31. The shoe insert of Claim 30, wherein said internal ingredient is selected from the group consisting of an odor-neutralizing particulate and a masking fragrance.

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